

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Miguel MULET PARADA et al. : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2005\_0260A  
Filed February 17, 2005 :

COMPUTATION OF CONTOUR  
[Corresponding to PCT/GB03/003585  
Filed August 18, 2003]

---

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/\_\_\_\_\_; and/or
- ☐ each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

ATTACHMENT D }

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or


b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ the international search report (in the English language) submitted herewith,
  - c. ☒ a British Search Report issued in a counterpart application;
  - d. ☒ the concise explanation contained in the specification of the present application at page 2,
  - e. ☒ the concise explanation set forth in the attached English language abstract,
  - f. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Miguel MULET PARADA et al.

By  Charles R. Watts, Reg. No. 33,142, pc  
Charles R. Watts  
Registration No. 33,142  
Attorney for Applicants

CRW/jmj  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
February 17, 2005

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: February 17, 2005

ATTY DOCKET NO.  
2005\_0260ASERIAL NO.  
NEW

10/525005

APPLICANT  
Miguel MULET PARADA et al.FILING DATE  
February 17, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	2002/102023	8/2002	Yamauchi			
	AB	6,335,980	1/2002	Armato, III et al.			
	AC	5,546,476	8/1996	Mitaka et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	1 076 318	2/2001	EP				
	AK	198 57 608	7/2000	DE				
	AL	10-261094	9/1998	JP			Abstract	
	AM	02/43004	5/2002	WO				
	AN							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Cootes, T.F., et al.: "Statistical models of appearance for medical image analysis and computer vision" Medical Imaging 2001: Image Processing, San Diego, CA, USA, 19-22 Feb. 2001, vol. 4322, pt. 1-3, pages 236-248, XP009020085, Proceedings of the SPIE - The International Society for Optical Engineering, 2001, SPIE-Int. Soc. Opt. Eng. USA.
	AP	McInerney, T., et al.: "Deformable Models in Medical Analysis: A Survey" Medical Image Analysis, Oxford University Press, Oxford, GB, vol. 1, no. 2, June 1996, pages 91-108, XP002230283.
	AQ	Jain, et al.: "Deformable Template Models: A Review" Signal Processing. European Journal Devoted To the Methods and Applications of Signal Processing, Elsevier Science Publishers B.V. Amsterdam, NL, vol. 71, no. 2, December 198, pages 109-129, XP000858630.

EXAMINER

DATE CONSIDERED

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: February 17, 2005

ATTY DOCKET NO.  
2005\_0260ASERIAL NO.  
NEW

10/525005

APPLICANT  
Miguel MULET PARADA et al.FILING DATE  
February 17, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ						
	AK						
	AL						
	AM						
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	Cootes, T.F., et al.: "Use of Active Shape Models for Locating Structures in Medical Images", Image and Vision Computing, July-Aug. 1994, UK, vol. 12, no. 6, pages 355-365, XP009020099.
AP	Declerck, J. et al.: "Automatic Registration and Alignment on a Template of Cardiac Stress and Rest Reoriented Spect Images" IEEE Transactions on Medical Imaging, IEEE Inc. New York, US, vol. 16, no. 6, 1 December 1997, pages 727-737, XP000738193.
AQ	Hill, A. et al.: "Medical Image Interpretation: A Generic Approach Using Deformable Templates" Medical Informatica, Taylor and Francis, Basingstoke, GB, vol. 19, no. 1, January 1994, pages 47-59, XP009004299.

EXAMINER

DATE CONSIDERED